

FACULTY

B. Pharmacy 2/4 I Semester (Non CBCS) (Backlo)	Examination, November 2018
Subject : Pharmaceuticals Oranic	Chemistry I

Time: 3 Hrs Max. Marks: 70

Note: Answer all questions. All questions carry equal marks.

1	(a) Explain the followin terms with examples. (i) Hydroenbondin (ii) Electromeric effect (iii) Chirality (iv) Hybridization OR	(4x3.5)
	(b) What is activation enery? Discuss the enery diarams of reactants and products durin the crse of reaction.(c) What is isomerism? Explain structural and spatial isomerism with example	(8) . (6)
2	(a) Explain Mrkonikov's and Antimarkonikovs addition with examples.(b) Write any two methods of preparation of alkanes.OR	(8) (7)
	(c) Explain the stability of cycloalkanes by different theories.(d) Write any two chemical reactions of alkanes.	(10) (4)
3	 (a) Discuss in detail the mechanism and stereochemistry involved in SN¹ and SN² reactions. (b) Write a note on hydroen bondin in alcohols. 	(10) (4)
	(c) How will y distinuish between primary, seconda different chemical reaents?(d) Write a note on Sayetzaffs rule.	with (8) (6)
4	(a) Write any three methods to synthesize carboxylic acids.(b) Discuss the reactivity and applications of malomic acid ester. OR	(6) (8)
	(c) How do y synthesize schiffs bases?(d) Write any two methods each to prepare aldehydes and ketones.	(4) (10)
5	 (a) Write a note on basicity of amines. (b) ive the mechanism for followin reactions (i) Sand Neyer reaction (ii) Cplin reaction (iii) attermann reaction 	(5) (3x3.5)
	OR (c) Explain separation of amines by Hinsber's method. (d) Write a note on Aryldiazonium sats (e) Write any two methods to prepare Nitroalkanes.	(4) (5) (5)
